

NUMBER OF WADING BIRD NESTS IN SOUTH FLORIDA (1903-1999)

Year	Region	GBHE	GREG	WHIB	GLIB	WOST	SMHE	TRHE	LBHE	SNEG	CAEG	ROSP	BCNH	YCNH	ANHI	Source
1903	Portion ENP					20 <sup>1</sup>										E
1911	Part of Big Cypress/Corkscrew					500 <sup>2</sup>										E
1912	Part of Big Cypress/Corkscrew					8000 <sup>2</sup>										E
1913	Part of Big Cypress/Corkscrew					5000 <sup>2</sup>										E
1924	Portion ENP					230 <sup>1</sup>										E
1927	Portion ENP					300 <sup>1</sup>										E
1931	Portion of ENP <sup>3</sup>		500+ <sup>4</sup>	50000+ <sup>5</sup>		P <sup>6</sup>	2000+ <sup>7</sup>									G
1932	Portion of ENP <sup>8</sup>		P+ <sup>9</sup>	12500-15000 <sup>10</sup>		1000 <sup>6</sup>	3500+ <sup>7</sup>									G
1933	Portion of ENP		750+ <sup>11</sup>	75000-100000 <sup>10</sup>		3000 <sup>12</sup>	13350-15850 <sup>7</sup>									G
1934	Portion of ENP		1300 <sup>11</sup>	87700-112700 <sup>12</sup>		4000 <sup>12</sup>	6250 <sup>7</sup>									G
1935	Portion of ENP		P <sup>10</sup>			2000+ <sup>12</sup>	P <sup>13</sup>									G
mid-30's	Interior of ENP		12500	210000			45000									J
	Southern Coast/Florida Bay		150	750			500									J
1936	Portion of ENP		4000+ <sup>11</sup>	7500 <sup>10</sup>		2000+ <sup>12</sup>	16000 <sup>4</sup>									G
	Florida Bay <sup>54</sup>											15				I
1937	Portion of ENP <sup>14</sup>		P+ <sup>10</sup>	2500-20000 <sup>10</sup>		1500+ <sup>12</sup>	250+ <sup>5</sup>									G
	Florida Bay											5				I
1938	Portion of ENP		250 <sup>10</sup>			100+ <sup>6</sup>										G
	Florida Bay											6				I
1939	Florida Bay											16				I
1940	Portion of ENP		750+ <sup>9</sup>	45000-50000 <sup>10</sup>		P+ <sup>12</sup>	500+ <sup>5</sup>									G
	Part of WCA3		1750													G
	Florida Bay											15				I
1941	Portion of ENP			17000-52000 <sup>5</sup>		P+ <sup>1</sup>	500+ <sup>5</sup>									G, E*
1942	Portion of ENP		100+ <sup>12</sup>	5000+ <sup>5</sup>		3250 <sup>12</sup>	P+ <sup>5</sup>									G
1943	Portion of ENP <sup>15</sup>		P+ <sup>11</sup>	P+ <sup>13</sup>		300+ <sup>16</sup>	P+ <sup>17</sup>									G, E*
1944	Portion of ENP <sup>18</sup>		250+ <sup>11</sup>	P+ <sup>9</sup>		1500+- 2000+ <sup>12</sup>	1000+ <sup>11</sup>									G
1945	Portion of ENP		P+ <sup>11</sup>	P <sup>10</sup>		P+ <sup>12</sup>	50+ <sup>5</sup>									G
1946	Portion of ENP <sup>19</sup>		P+ <sup>10</sup>	12500 <sup>10</sup>		P+ <sup>12</sup>	P+ <sup>5</sup>									G
1949	Florida Bay											100				I
1950	Portion of ENP					3525+ <sup>20</sup>										E
1951	Florida Bay											64				I
1952	Portion of ENP					250+ <sup>21</sup>										E
	Florida Bay											80				I
1953	Florida Bay											66				I
1954	Portion of WCA1 <sup>22</sup>	10				0										F
	Florida Bay											81				I
1955	Florida Bay											174				I
1956	Florida Bay											214				I
1957	ENP					1040 <sup>23</sup>										J
	Part of Big Cypress/Corkscrew					0 <sup>2</sup>										E
	Florida Bay											183				I
1958	Portion of ENP					610 <sup>20</sup>										E
	Part of Big Cypress/Corkscrew					1640 <sup>24</sup>										E
	Florida Bay											92				I
1959	Portion of ENP					1450 <sup>16</sup>										E
	Part of Big Cypress/Corkscrew					4655 <sup>2</sup>										E
	Florida Bay											145				I
1960	Portion of ENP					1900 <sup>16</sup>										E
	Part of Big Cypress/Corkscrew					6635 <sup>2</sup>										E
	Florida Bay											119				I

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1961	ENP					3100										J
	Part of Big Cypress/Corkscrew					6000 <sup>2</sup>										E
	Florida Bay											125+				I
1962	Portion of ENP					150 <sup>20</sup>										E
Year	Region	GBHE	GREG	WHIB	GLIB	WOST	SMHE	TRHE	LBHE	SNEG	CAEG	ROSP	BCNH	YCNH	ANHI	Source
	Part of Big Cypress/Corkscrew					0 <sup>2</sup>										E
	Florida Bay											76				I
1963	Portion of ENP					1600 <sup>20</sup>										E
	Part of WCA1	150	500	100		0		150	150	40	350		400		500	F
	Part of Big Cypress/Corkscrew					3000 <sup>2</sup>										E
	Florida Bay											266				I
1964	ENP					1500										J
1965	Portion of ENP					1650 <sup>25</sup>										E
	Part of WCA1	125	200			0		130	200	70	300		450		200	F
	Corkscrew Swamp					1300										J
mid-60's	Interior of ENP	0-100	250-2500	0-2500			500-3750									J
	Southern Coast/Florida Bay	550	1250	1750			2500									J
1966	Portion of ENP					1600 <sup>25</sup>										E
	Part of WCA1	150	225			0		150	225	50	200		400		100	F
	Part of Big Cypress/Corkscrew					3000 <sup>2</sup>										E
1967	Portion of ENP					2125+ <sup>25</sup>										E
	Part of WCA1	80	50			0		100	250	25	150		150		90	F
	Part of Big Cypress/Corkscrew					7300 <sup>2</sup>										E
	Florida Bay											368				I
1968	Portion of ENP					1027 <sup>25</sup>										E
	Part of WCA1	90	50			0		120	250	25	100		75		90	F
	Part of Big Cypress/Corkscrew					5000 <sup>2</sup>										E
1969	Portion of ENP					278 <sup>25</sup>										E
	Part of WCA1	60	30			0		100	250				60	1	80	F
	Part of Big Cypress/Corkscrew					3500 <sup>2</sup>										E
	Florida Bay											272+				I
1970	Portion of ENP					169 <sup>25</sup>										E
	Part of WCA1	50	20	350	75	0		100	175		100		45	5	70	F
	Part of Big Cypress/Corkscrew					1900 <sup>2</sup>										E
	Florida Bay											255+				I
1971	Portion of ENP					458 <sup>25</sup>										E
	Part of WCA1	12	25	125	27	0			15		50		20	5	30	F
	Part of Big Cypress/Corkscrew					3000 <sup>2</sup>										E
1972	Portion of ENP					333 <sup>25</sup>										E
	Part of Big Cypress/Corkscrew					1500 <sup>2</sup>										E
1973	Portion of ENP					888 <sup>25</sup>										E
	Part of Big Cypress/Corkscrew					0 <sup>2</sup>										E
1974	Portion of ENP		1025 <sup>11</sup>	650 <sup>9</sup>		950* <sup>25</sup>	2650 <sup>4</sup>									G, E*
	Portion of WCA 1-3					0										E
	Part of WCA3		P	8500			P									G
	Part of Big Cypress/Corkscrew					1900 <sup>24</sup>										E
1975	Portion of ENP <sup>26</sup>	1	909	923		1335		1583	6	2162	1630	3			81	D
	Portion of WCA 1-3					0										E
	Portion of WCA3 <sup>27</sup>	36	1990	11001				1318	72	2312	1		P+		26	D
	Big Cypress Swamp/Corkscrew <sup>28</sup>		575	12000		3027			25	150	8000				40	D
	Florida Bay <sup>29</sup>	442+	602	885				1081	37	176	12	497+	P+		240+	D
	Biscayne Bay <sup>30</sup>	13	19	106				25	19	2	879				2	D
	Southwest Coast <sup>31</sup>		280					694	7	29	277				3	D
	J.N. Ding Darling NWR <sup>32</sup>	1														D
	Estero Bay	1	2					27	2	8	12		P		1	D
1976	Portion of ENP		675 <sup>11</sup>	3400 <sup>9</sup>		1310* <sup>25</sup>	2025 <sup>33</sup>									G, E*

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	Portion of WCA 1-3					0										E
	Part of WCA3		600	14500			2500									G
	Part of Big Cypress/Corkscrew					2300 <sup>24</sup>										E
	Florida Bay											802+				I
1977	Portion of ENP		800 <sup>11</sup>	1800 <sup>9</sup>		715* <sup>25</sup>	1550 <sup>9</sup>									G, E*
	Portion of WCA 1-3					0										E
	Part of WCA3		1600	8000			5700									G
	Part of Big Cypress/Corkscrew					200 <sup>24</sup>										E
1978	Portion of ENP		775 <sup>11</sup>	400 <sup>9</sup>		19* <sup>25</sup>	1300 <sup>11</sup>									G, E*
	Portion of WCA 1-3					0										E
	Part of WCA3		1500	300												G
Year	Region	GBHE	GREG	WHIB	GLIB	WOST	SMHE	TRHE	LBHE	SNEG	CAEG	ROSP	BCNH	YCNH	ANHI	Source
	Florida Bay											619+				I
1979	Portion of ENP		1350 <sup>11</sup>	300 <sup>9</sup>		1350* <sup>25</sup>	4425 <sup>11</sup>									G, E*
	Portion of WCA 1-3					0										E
	Part of WCA3		1050				250									G
	Part of Big Cypress/Corkscrew					915 <sup>24</sup>										E
	Florida Bay											1254+				I
1980	Portion of ENP		650 <sup>11</sup>	250 <sup>34</sup>		81* <sup>25</sup>	1800 <sup>9</sup>									G, E*
	Portion of WCA 1-3					0										E
	Part of WCA3		500													G
	Part of Big Cypress/Corkscrew					1175 <sup>24</sup>										E
1981	Portion of ENP		650 <sup>11</sup>	465 <sup>9</sup>		381* <sup>25</sup>	265 <sup>9</sup>									G, E*
	Portion of WCA 1-3					297										E
	Part of WCA3		450	2000			500									G
	Part of Big Cypress/Corkscrew					1500 <sup>24</sup>										E
1982	Portion of ENP		525 <sup>12</sup>	150 <sup>34</sup>		670* <sup>25</sup>	800 <sup>12</sup>									G, E*
1982	Portion of WCA 1-3					549										E
	Part of WCA3		400	6250												G
	Part of Big Cypress/Corkscrew					18 <sup>24</sup>										E
1983	Portion of ENP		1450 <sup>11</sup>	200 <sup>34</sup>			300 <sup>9</sup>									G
	Part of WCA3		175													G
1984	Portion of ENP		1950+ <sup>11</sup>			650 <sup>12</sup>	250 <sup>10</sup>									G
	WCA1 <sup>35</sup>	28+	6+			0		33	68+		P				103+	F
	Part of WCA3		400													G
1985	Portion of ENP		50+ <sup>11</sup>			125 <sup>10</sup>	P+ <sup>9</sup>									G
	WCA1 <sup>36</sup>	41				0		23+	25+	P	P				53	F
	Part of WCA3		300	1500												G
	Florida Bay											448				I
1986	Portion of ENP <sup>37</sup>		370-670	550-1050		275	52	783	151	350-1250	300-500	15				A
	WCA1 <sup>38</sup>	56	11			0		3+	5+				21		123+	F
	Majority of WCA3	54	1081	942-1442	30	1	38	350	286	69	188		66			A
	Florida Bay											590				I
1987	Portion of ENP	0*	502	30		100		690	194	405	300					A, C*
	WCA1 <sup>39</sup>	111	14++	800		0		P	P						P	F
	Majority of WCA3	250*	1503	4100	50	0*	155	693	529	132	290		360			A, C*
	Florida Bay											527				I
1988	ENP	1	795	300	30	220	674	393	112	723	3270					C
	WCA1 <sup>40</sup>	44	103	8912		0		359	850	84	38				278	F
	WCA3	37	2527	1670		0		416	23	600	0					C
	Florida Bay											493				I
1989	ENP	0	558	100		275		240	35	176	2000					C
	WCA1 <sup>41</sup>	5				0		12	19	5	40				15+	F
	WCA2	0	0	0	0	0		0	0	0	0					H
	WCA 3	75	1293	1535		235		250	100	310	300					C
1990	ENP	13	517	650		0		301	0	0	800					C

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	WCA1 <sup>42</sup>	13	54	4300*		13*		52	340	47	800				P*	C, F*
	WCA2	0	0	0	0	0		0	0	0	0					H
	WCA3		342	0		165		40	0	97						C
1991	ENP	0	655	400		150	0	124	14	580	223		5			C
	WCA1	32	181	300		0	267	404	1134	0						C
	WCA2	125	30													H
	WCA3	173	976	900		0	8	516	169	354	0		3			C
1992	ENP <sup>43</sup>	24	960	5100	0	409		450	100	900	200		50			B
	WCA1	87	239	2761	65*	0*	0	520	938	97	1408		34*			Q, B*
	WCA 2-3	120	3268	8600	30	158	8*	1193	943	1291	0		77			B, C*
1993	ENP	0	970	600	0	40		575		650	605		0			B
	WCA1	73	328	218	0*	0*	378	173	673	4	728		0*			Q, B*
	WCA 2-3	325	1944	0	0	0		368	594	723	945		166			B
1994	ENP	0	671	300	0	230		215	0	150	1200*		0		0	B, C*
	WCA1	73	396	1849	0	0		103	1333	21	1051	0	0		0	P
	WCA 2-3	348*	2381	100	3	0		1028	764	287	345		112		556	B, C*
1995	ENP	0	1087	250	0	113		50	0	140	750*		0		60	B, O*
	WCA1	82	610	2249	0	0		343	1153	59	729	0	0		0	P
Year	Region	GBHE	GREG	WHIB	GLIB	WOST	SMHE	TRHE	LBHE	SNEG	CAEG	ROSP	BCNH	YCNH	ANHI	Source
	WCA 2-3	503	2827	780	40	0		629	479	369	2176	12	174		818	P
	Florida Bay	6	27	40				50		0		45				K
	Part Holey Land/Rotenburger <sup>44</sup>							30			150				160	Q
1996	ENP		896	5		575		0		100	1200		0			Q
	WCA1	118	837	800			0	197	1372	28	2403					Q
	WCA 2-3 <sup>45</sup>	253	2421	1013	19	100		749*	678	539	100	15	22		926	Q,C*
	Florida Bay	33	195	275				29		10		40				K
	Southwest Coast <sup>46</sup>	6	235	8	108			366	18	202	469				25	Q
	Part Holey Land/Rotenburger <sup>44</sup>	0	0	0	0	0	0	0	0	0	0	0	0	0		Q
1997	ENP		359-372	100		215-245				0	305-350	0	0			K
	WCA1	95	516	1095			0	254	1311	73	1028					K
	WCA 2-3	122	2365	2055	0	5	15*	604	47	280	120	15	38		318	K, C*
	Florida Bay	48	75	100				50		75		50				L
	Southwest Coast <sup>47</sup>		58	26				307	5	130	457					K
	Part of Big Cypress <sup>48</sup>								20							K
	Part Holey Land/Rotenburger <sup>49</sup>	0	0	0	0	0	0	0	0	0	0	0	0	0		K
1998	ENP		607			25					120					L
	WCA1	123	828	873			37	352	1036	15	1682					L
	WCA 2-3	180	2672	535				803	209	226	615	10	16		787	L
	Florida Bay	15	308	250				220		70		30				M
	Southwest Coast <sup>50</sup>	22	326	0	36			475	38	347	331					L
	Part of Big Cypress <sup>51</sup>	P	P			3										L
	Part Holey Land/Rotenburger <sup>49</sup>							5						5		L
1998	J.N. Ding Darling NWR <sup>52</sup>	13	25	26				135	3	21	25		4	2	21	L
1999	ENP		1371	150		215		8	6	15	285		10			M
	WCA1	217	2037	5780	P	12	0	489	1592	470	831		411	7		M
	WCA 2-3	528	4373	4474		260		1226	503	725	490	47	241		2181	M
	Florida Bay	19	106	1				5		0		881				M
	Southwest Coast <sup>46</sup>	17	225	3	46			342	34	191	315					M
	Holey Land/Rotenburger <sup>47</sup>	0	0	0	0	0	0	0	0	0	0	0	0	0		M
	J.N. Ding Darling NWR <sup>52</sup>	15	21	25				46	8	30	18		2		15	M
	Corkscrew Swamp <sup>53</sup>					900						6				M
2000	ENP		1110	20		1592		15+	P	150	130		2+			N
	WCA1	174	535	920	69	0		147	557	58		0	143	1		N
	WCA2-3	525	3059	21117	30	500		1278	475	2388	243	15	339	2	1092	N
	Florida Bay															N
	Southwest Coast <sup>46</sup>	22	329	20	43			206	35	163	272					N

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	Big Cypress					25										N
	Holey Land/Rotenburger <sup>47</sup>	0	0	0	0	0	0	0	0	0	0	0	0	0		N
	J.N. Ding Darling NWR <sup>52</sup>	12	29	64				31	7	30	15		2		13	N
	Corkscrew Swamp <sup>53</sup>					1722										N

<sup>1</sup> Data from the Cape Sable region. All the data from source E are compiled from 1903 - 1973 and collected from 1974-1982.

<sup>2</sup> Data from the Corkscrew Swamp and northern Big Cypress Swamp.

<sup>3</sup> In addition to what is listed here, several thousand egrets, herons, and ibises combined were recorded nesting. All the data from source G are compiled.

<sup>4</sup> Data from the lower Ten Thousand Islands, north-western Florida Bay, and headwaters.

<sup>5</sup> Data from the lower Ten Thousand Islands and headwaters.

<sup>6</sup> Data from the southern mainland.

<sup>7</sup> Data from the lower Ten Thousand Islands, north-western Florida Bay, southern mainland, and headwaters.

<sup>8</sup> In addition to what is listed here, 750 nesting pairs of GREG and SMHE combined were recorded.

<sup>9</sup> Data from the north-western Florida Bay and headwaters.

<sup>10</sup> Data from the headwaters.

<sup>11</sup> Data from the north-western Florida Bay, southern mainland, and headwaters.

<sup>12</sup> Data from the southern mainland and headwaters.

<sup>13</sup> Data from the lower Ten Thousand Islands.

<sup>14</sup> In addition to what is listed here, approximately 2500-5000 nesting pairs of GREG and SMHE combined were recorded.

<sup>15</sup> In addition to what is listed here, roughly 2500-5000 nesting pairs of SMHE and WHIB combined were recorded.

<sup>16</sup> Data from the Hells Bay region.

<sup>17</sup> Data from the lower Ten Thousand Islands and the north-western Florida Bay.

<sup>18</sup> Three times as many GREG in East River portion of the headwaters than in 1943. In addition to what is listed there were several thousand WOST in the southern mainland.

<sup>19</sup> Largest nesting of GREG in years in the Headwaters.

<sup>20</sup> Data from the Hells Bay, Southeastern Florida coast, and Southern Everglades regions.

<sup>21</sup> Data from the Hells Bay and Southern Everglades regions.

<sup>22</sup> The sampling effort and sampling area for the source F data is unknown and suspected to be minimal for most years.

<sup>23</sup> All the data from source J are compiled.

<sup>24</sup> Data from the Corkscrew Swamp, and northern and southern Big Cypress Swamp.

<sup>25</sup> Data from the Cape Sable, Hells Bay, Southeastern Florida coast, and Southern Everglades regions.

<sup>26</sup> Data from Madera, Cuthbert, East River, Lane River, Rodgers River Bay, Rookery Brach, Taylor Slough, and Hole-in-Donut. All data from source D are original and thorough.

<sup>27</sup> Data from Alligator Alley East, Alligator Alley West, and L-67-A.

<sup>28</sup> Data from Sunniland Grade, Okaloacoochee, Sadie Cypress, and Corkscrew.

<sup>29</sup> Data from Porjoe, Nest, Tern, Palm, Frank, Oyster, Catfish, Sandy, Upper Arsnicker, Green Mangrove, Buchanan, Cowpens, Bottle, Stake, and Florida Bay's other Keys.

<sup>30</sup> Data from Cutler, Arsenicker Keys, and Rookery Keys.

<sup>31</sup> Data from Big Marco Pass and Chokoloskee.

<sup>32</sup> Data from Tarpon Bay.

<sup>33</sup> Data from north-western Florida Bay and southern mainland.

<sup>34</sup> Data from north-western Florida Bay.

<sup>35</sup> Data from 29 rookeries.

<sup>36</sup> Data from 55 rookeries. In addition to what is listed here, 25 nests of LBHE and TRHE combined and 200 nests of LBHE and CAEG combined were found.

<sup>37</sup> All data from source A are original and thorough.

<sup>38</sup> Data from 84 rookeries. In addition to what is listed here, 64 nests of LBHE and TRHE combined were found.

<sup>39</sup> Data from 105 rookeries.

<sup>40</sup> Surveys covered about 20-30% of the rookeries in WCA1

<sup>41</sup> No rookery surveys were conducted because only 1 rookery was established according to the Annual Reports.

<sup>42</sup> This is the first year WOST nests were found in WCA1 since 1951 according to Annual Reports.

<sup>43</sup> All data from source B are original and thorough.

<sup>44</sup> No formal nest surveys were conducted, however, nesting data were recorded during wading bird foraging surveys that covered 10% of the area.

<sup>45</sup> The numbers of GBHE and LBHE may be under-estimates (probably not by more than 10%) because surveys were stopped in certain areas as the result of the Valu-Jet crash.

<sup>46</sup> Data from 5 rookeries.

<sup>47</sup> Sampling effort unclear.

<sup>48</sup> No formal nesting surveys, however, known areas of previous wading bird use were checked during pather flights.

<sup>49</sup> No nest surveys were conducted, however, no colonies were seen during wading bird foraging, deer, and vegetation surveys which cover roughly 30% of the area.

<sup>50</sup> Data from 6 rookeries.

<sup>51</sup> No nest surveys were conducted.

<sup>52</sup> Surveyed 7 active rookery islands.

<sup>53</sup> Surveyed for WOST.

<sup>54</sup> All data from source I are compiled and from Bottle, Stake, Cowpens, Cotton, West, Low, Manatee, Crab, East, Crane, East and Middle Butternut, East Bob Allen, Pigeon, Jimmie Channel, Tern, North and South Nest, Projoe, North and South Park, Pass, East and West Buchanan, Barnes, Frank, Oyster, and Sandy Keys.